



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

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TECH CENTER 1600/2900

Applicant: Stanley R. Krystek, et al.
Serial No.: 09/853,918
Filed: May 10, 2001
Docket: DB24NP/30436.46USU1
Title: MODIFIED INOSINE 5'-MONOPHOSPHATE DEHYDROGENASE POLYPEPTIDES AND
USES THEREOF

CERTIFICATE UNDER 37 CFR 1.8

I hereby certify that this paper or fee is being deposited with the United States Postal as first class mail in an envelope addressed to the Assistant Commissioner for Patents, Washington, D.C. 20231 on August 2, 2001.

By: Renato Marco P. Domingo
Name: Renato Marco P. Domingo

Assistant Commissioner for Patents
Washington, D.C. 20231

Sir:

We are transmitting herewith the attached:

- ☒ Transmittal sheet, in duplicate, containing Certificate under 37 CFR 1.8.
- ☒ Information Disclosure Statement (37 C.F.R. §1.97(b)(3)) (10 pages)
- ☒ Form 1449 (Information Disclosure Statement) (6 sheets)
- ☒ Exhibits 1-100 (References)
- ☒ Return postcard

Please charge any additional fees or credit overpayment to Deposit Account No. 50-0306. A duplicate of this sheet is enclosed.

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By: Renato Marco P. Domingo

INFORMATION DISCLOSURE STATEMENT (37 C.F.R. § 1.97(b)(3))

Assistant Commissioner for Patents
Washington, D.C. 20231

Dear Sir:

With regard to the above-identified application, the items of information listed on the enclosed Form 1449 are brought to the attention of the Examiner. They are as follows:

- U.S. Patent No. 4,358,535 issued November 9, 1982 – **Exhibit 1**
- U.S. Patent No. 4,603,102 issued July 29, 1986 – **Exhibit 2**
- U.S. Patent No. 4,683,202 issued July 28, 1987 – **Exhibit 3**
- U.S. Patent No. 4,952,394 issued August 28, 1990 – **Exhibit 4**
- U.S. Patent No. 5,110,802 issued May 5, 1992 – **Exhibit 5**
- U.S. Patent No. 5,194,428 issued March 16, 1993 – **Exhibit 6**
- U.S. Patent No. 5,539,082 issued July 23, 1996 – **Exhibit 7**
- U.S. Patent No. 5,585,277 issued December 17, 1996 – **Exhibit 8**
- U.S. Patent No. 5,632,999 issued May 27, 1997 – **Exhibit 9**
- U.S. Patent No. 5,665,583 issued September 9, 1997 – **Exhibit 10**
- U.S. Patent No. 6,128,582 issued October 3, 2000 – **Exhibit 11**

- International Publication Application No. WO94/24264 published October 27, 1994 – **Exhibit 12**
- International Publication Application No. WO98/24893 published June 11, 1998 – **Exhibit 13**
- Allison, A. C. et al., "Immunological Observations on Patients with Lesch-Nyhan Syndrome, and on the Role of De-Novo Purine Synthesis in Lymphocyte Transformation," *The Lancet*, vol. II, 1179-82, 1975 – **Exhibit 14**
- Allison, A. C. et al., "The role of de novo purine synthesis in lymphocyte transformation," *Ciba Foundation Symposium*, 207-24, 1977 – **Exhibit 15**
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- Carr, Stephen F. et al., "Characterization of Human Type I and Type II IMP Dehydrogenases," *J Biol Chem*, 268:27286-90, 1993 – **Exhibit 23**

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- Crabtree, G. W. and J. Frank Henderson, "Rate-limiting Steps in the Interconversion of Purine Ribonucleotides in Ehrlich Ascites Tumor Cells *in Vitro*," *Cancer Res*, 31:985-91, 1971 – **Exhibit 33**

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- Wiseman, Thomas et al., "Rapid Measurement of Binding Constants and Heats of Binding Using a New Titration Calorimeter," *Anal Biochem*, 179:131-7, 1989 – **Exhibit 94**
- Wolff, Edith A. et al., "Monoclonal Antibody Homodimers: Enhanced Antitumor Activity in Nude Mice," *Cancer Res*, 53:2560-5, 1993 – **Exhibit 95**
- Xiang, Bosong et al., "Monovalent Cation Activation and Kinetic Mechanism of Inosine 5'-Monophosphate Dehydrogenase," *J Biol Chem*, 271:1435-40, 1996 – **Exhibit 96**
- Yang, Meijia et al., "Protein-peptide interactions analyzed with the yeast two-hybrid system," *Nucleic Acids Res*, 23:1152-6, 1995 – **Exhibit 97**
- Zamecnik, Paul C. and Mary L. Stephenson, "Inhibition of Rous sarcoma virus replication and cell transformation by a specific oligodeoxynucleotide," *Proc Natl Acad Sci USA*, 75:280-4, 1978 – **Exhibit 98**
- Zamecnik, Paul C. et al, "Inhibition of replication and expression of human T-cell lymphotropic virus type III in cultured cells by exogenous synthetic oligonucleotides complementary to viral RNA," *Proc Natl Acad Sci USA*, 83:4143-6, 1986 – **Exhibit 99**
- Zimmerman, Albert G. et al., "Characterization of the Human Inosine-5'-monophosphate Dehydrogenase Type II Gene," *J Biol Chem*, 270:6808-14, 1995 – **Exhibit 100**

This statement should be considered because it is submitted before the mailing date of the first Office Action on the merits according to 37 C.F.R. §1.97(b)(3). In accordance with 37 C.F.R. §1.98(a)(2), copies of each document or other information listed on the enclosed Form 1449 are provided.


Stanley R. Krystek, et al.
Serial No. 09/853,918
Filed: May 10, 2001
Page 10

No representation is made that a reference is "prior art" within the meaning of 35 U.S.C. §§ 102 and 103 and Applicants reserve the right, pursuant to 37 C.F.R. § 1.131 or otherwise, to establish that the reference(s) are not "prior art." Moreover, Applicants do not represent that the references have been thoroughly reviewed or that any relevance of any portion of a reference is intended.

Consideration of the items listed is respectfully requested. Pursuant to the provisions of M.P.E.P. § 609, it is requested that the Examiner return a copy of the attached Form 1449, marked as being considered and initialed by the Examiner, to the undersigned with the next official communication.

No fee is deemed necessary in connection with the filing of this Information Disclosure Statement. However, if any additional fee is required, authorization is hereby given to charge the amount of any such fee, or credit any overpayment, to Deposit Account No. 50-0306.

Respectfully submitted,



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U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NO.	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
✓	4,358,535 (Exhibit 1)	11/09/82	Falkow et al.			12/08/80
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✓	5,110,802 (Exhibit 5)	05/05/92	Cantin et al.			07/14/87
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✓	5,585,277 (Exhibit 8)	12/17/96	Bowie et al.			03/21/95
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✓	5,665,583 (Exhibit 10)	09/09/97	Collart et al.			08/12/88
✓	6,128,582 (Exhibit 11)	10/03/00	Wilson et al.			04/30/96

FOREIGN PATENT DOCUMENTS

	DOCUMENT NO.	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO
✓	WO94/24264 (Exhibit 12)	10/27/94	PCT				X
✓	WO98/24893 (Exhibit 13)	06/11/98	PCT				X

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

✓	Allison, A. C. et al., "Immunological Observations on Patients with Lesch-Nyhan Syndrome, and on the Role of De-Novo Purine Synthesis in Lymphocyte Transformation," <i>The Lancet</i> , vol. II, 1179-82, 1975 (Exhibit 14)
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EXAMINER	DATE CONSIDERED
EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form for next communication to the Applicant.	

FORM 1449* INFORMATION DISCLOSURE STATEMENT IN AN APPLICATION (Use several sheets if necessary)	Docket Number DB24NP/30436.46USU1	Application Number 09/853,918
	Applicant Stanley R. Krystek et al.	
	Filing Date May 10, 2001	Group Art Unit 1653

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